

ABSTRACT OF THE DISCLOSURE

Linear spot velocity or position variations are measured in a scanning system by a process and apparatus. The process comprises providing at least two radiation detectors that can move in tandem across a scan line, the two radiation detectors being spaced apart
5 by a distance d ; positioning the at least two radiation detectors at a first point on the scan line; scanning the at least two radiation detectors with scanning radiation and recording the position of the two detectors along the scan line and the time taken for the scanning radiation to scan from a first of the at least two radiation detectors to a second of the at least two radiation detectors while the at least two radiation detectors are positioned at the
10 first point; moving the at least two radiation detectors to a second point on the scan line maintaining the distance d between the at least two radiation detectors; and again scanning the at least two radiation detectors with scanning radiation and recording the position of the two detectors along the scan line and the time taken for the scanning radiation to scan from a first of the at least two radiation detectors to a second of the at
15 least two radiation detectors while the at least two radiation detectors are positioned at the second point.